

# Shri Shivaji Science College, Amravati

Name of The Teaching Faculty: **Deshmukh R.G**

Department: **Physics**

**Total No of Patents: \_\_15\_\_**

**National: 8 International: 7**

Sr.No	TitleofthePatent	Author/s	National/International	No.andDateofPublication
1	Australian Patent Title - Development of smart powering techniques using AI based Solar Tracking System	Dr. R.G Deshmukh	International-	2021100736 Date-7 <sup>th</sup> April 2021
2	Australian Patent Title - An E Vehicles Charging by Wi-Fi pad Date-21July2021	R. G Deshmukh	International	2021102648 Date-21July2021
3	South Africa Granted International A highly efficient far red Emitting $Mg_{21}Ca_4Na(Po_4)_{18}: Ce^{3+}, Eu^{3+}$ Phosphor for Plant Cultivation	Toshi Dhaporkar, Radhika Deshmukh, Abhijeet Kadam, S.J Dhobale	International	2022/01063 Date 30/3/2022
4	South Africa Granted International AI Based Unmanned Aerial Vehicle For Solid Waste Management & Environmental Sensing	R.G Deshmukh	International	No347650-001 Date 30/3/2022

5	Indian Design To indexing fixture with heel clamps	R.G Deshmukh	National	No 344858001 2022
6.	Indian Design A Sensor Assembly for Vacuum	R.G Deshmukh	National	No.347076001
7	Indian Design IOT based Automated Agriculture Spraying Robot	R.G Deshmukh	National	No-347650-001 16-12-22
8	IOT based Indian Design Wireless charger for Electric Device	R.G Deshmukh	National	No-357582-001 06-03-23
9.	Indian Design Ultrasonic Machine for Women Health	R.G Deshmukh	National	No 347519—001 09-12-22
10	UK Design Solar Charging Station For Electrical Vehicle	R.G Deshmukh	International	No-6269746 26 March 2023
11	Indian Design Desalination Device	R.G Deshmukh	National	No-349830 12, September,2022
12	A Novel Sustainable Cultivation Method for Ayurvedic Herb Lemongrass	R.G Deshmukh	National	No-2022/07836 28 Sept,2022
13.	IOT-INTEGRATED AI BASED DEVICE FOR OPTIMIZED LIGHTING IN CONTROLLED PLANT GROWTH ENVIRONMENTS	Janavi Kene/ R.G Deshmukh	National	446400-001 01/02/2025
14.	Air cooled helmet for summer seasons	Smeet Prashant Shelke, Radhika Deshmukh, Neha Rahate, Sanjay Dhoble	International	Design number: 6458652 Grant date: 24 July 2025 Registration date: 18 July 2025
15	Interactive AI enabled Sports kick machine	Dr R G Deshmukh	International	Design number: 6503807 Grant Date:19 Feb.2026

